International application No.
PCT/JP2004/005503

A.	CLASSIFICATION	OF	SUBJECT	MATTER

Int.Cl⁷ A61K45/00, 31/404, 31/4045, 31/405, 31/407, 31/553, C07D403/04, 403/14, 498/22, A61P25/28, 25/08, 25/22, 25/18, 25/24, C07D487/14

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl⁷ A61K45/00, 31/404, 31/4045, 31/405, 31/407, 31/553, C07D403/04, 403/14, 498/22, A61P25/28, 25/08, 25/22, 25/18, 25/24, C07D487/14

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Jitsuyo Shinan Koho 1922–1996 Toroku Jitsuyo Shinan Koho 1994–2004 Kokai Jitsuyo Shinan Koho 1971–2004 Jitsuyo Shinan Toroku Koho 1996–2004

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) CAPLUS (STN), BIOSIS (STN), REGISTRY (STN), EMBASE (STN), MEDLINE (STN)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Х	WO 02/062387 A1 (SMITHKLINE BEECHAM P.L.C.), 15 August, 2002 (15.08.02),	1-3,20,37, 38,40,41
¥	Full text; particularly, Claims 1 to 12 (Family: none)	4-19,21-36
X	WO 99/42100 Al (Sagami Chemical Research Center), 26 August, 1999 (26.08.99), Full text; particularly, Claims 1 to 19; compound No.13 & EP 1057484 Al	1-3,5-7,20, 22-24,37,38, 40,41
Х	JP 2-306974 A (Goedecke AG.), 20 December, 1990 (20.12.90), Full text; particularly, Claims 1 to 7 & EP 397060 A3	1-3,5-7,20, 22-24,37,38, 40,41

×	Further do	ocuments are listed in the continuation of Box C.		See patent family annex.		
* Special categories of cited documents: document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than the priority date claimed		"Y" "Y"	date and not in conflict with the application but cited to understand the principle or theory underlying the invention X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art			
Date	of the actua 09 June	el completion of the international search e, 2004 (09.06.04)	Date	of mailing of the international search report 29 June, 2004 (29.06.04)		
Name and mailing address of the ISA/ Japanese Patent Office		Authorized officer				
Facsimile No.			Telephone No.			
rorm l	PC1/1SA/21	0 (second sheet) (January 2004)				

International application No.
PCT/JP2004/005503

Cataca-st	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
Category* X	WO 01/13916 A1 (Sagami Chemical Research Center), 01 March, 2001 (01.03.01), Full text; particularly, Claims 1 to 17; compound Nos. 15, 16 & EP 1224932 A1	1-3,5,6,8, 10,20,22,23, 25,27,37,38, 40,41
х	JP 7-508268 A (Goedecke AG.), 14 September, 1995 (14.09.95), Full text; particularly, Claims 1 to 15 & US 5883114 A	1-3,5,6,20, 22,23,37,38, 40,41
X.	WO 00/38675 A1 (SMITHKLINE BEECHM P.L.C.), 06 July, 2000 (06.07.00), Full text; particularly, Claims 1 to 11; examples & EP 1140070 A1	1-3,5,9,10, 20,22,26,27, 37,38,40,41
x	LOAST, Maryse et al., Paullones are potent inhibitors of glycogen synthase kinase-3ß and cyclin-dependent kinase 5/p25, Eur. J. Biochem., 2000, Vol.267, pages 5983 to 5994; full text, particularly, page 5983; Fig. 2	1-3,5,11-15, 20,22,28-32, 37,38,40,41
x	WO 01/37819 A2 (CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE), 31 May, 2001 (31.05.01), Full text; particularly, Claims 1 to 15 & JP 2003-514850 A	1-3,16-20, 33-38,40,41
X Y	CHEN, Guang et al., Enhancement of hippocampal neurogenesis by lithium, Journal of Neuro chemistry, 2000, Vol.75, pages 1729 to 1734; full text; particularly, page 1729, abstract	1-4,20,21, 37,38,40,41 5-19,22-36

International application No.

				PCT/JP200	04/005503
Box No. I	Nucleotide and/or am	ino acid sequence(s) (Continuation of item1.b of	the first sheet)	· · · · · · · · · · · · · · · · · · ·
1. With regard invention,	rd to any nucleotide and/ the international search	or amino acid sequence	e disclosed in the internation basis of:	al application and nece	essary to the claimed
a. type	of material			-	
×	a sequence listing				
	table(s) related to the	sequence listing			
b. form		•	•		•
υ. 10III	at of material in written format			•	
	in computer readable f	orm .	•		•
c. time	of filing/furnishing	•	. •		
	contained in the intern	ational application as fi	iled		
×	filed together with the	international application	on in computer readable form	n .	•
	furnished subsequently	y to this Authority for th	ne purposes of search	·	
ু হো In o	ddition in the court at				
			r copy of a sequence listing		
appl	ication as filed or does n	ot go beyond the applic	ation in the subsequent or a	aditional copies is ideni e, were furnished.	tical to that in the
•					
3. Additiona	I comments:	•	•		
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International application No. PCT/JP2004/005503.

Box No. II	Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
. —	al search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
hecaus	se they relate to subject matter not required to be searched by this Authority, namely: 9 pertains to methods for treatment of the human body by therapy.
becaus	s Nos.: the they relate to parts of the international application that do not comply with the prescribed requirements to such an that no meaningful international search can be carried out, specifically:
3. Claim becau	s Nos.: se they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box No. III	Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This Internation	nal Searching Authority found multiple inventions in this international application, as follows: (See extra sheet.)
1. As all	required additional search fees were timely paid by the applicant, this international search report covers all searchable
	s. searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of iditional fee.
3. As on only	ly some of the required additional search fees were timely paid by the applicant, this international search report covers those claims for which fees were paid, specifically claims Nos.:
· .	
4. No re restri	equired additional search fees were timely paid by the applicant. Consequently, this international search report is cted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark on P	The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.

International application No.
PCT/JP2004/005503

Continuation of Box No.III of continuation of first sheet(2)

It appears that the matter common to nerve degeneration drugs containing as the active ingredient the compounds having specific structures represented by the formulae (I) to (V) as set forth in claims 1 to 41 resides in "a nerve degeneration drug containing as the active ingredient a substance inhibiting the activity of a glycogen synthase kinase-3".

On the other hand, a nerve degeneration drug containing a substance inhibiting the activity of a glycogen synthase kinase-3 as the active ingredient is reported in the following document. Thus, the constitution of the above common matter cannot be considered as being novel and, therefore, cannot be regarded as the gist of the invention.

Such being the case, the nerve degeneration drugs containing as the active ingredient the compounds represented by the five different formulae as set forth in claims 1 to 41 cannot be regarded as a group of inventions so linked as to form a single general inventive concept.

Document: WO 02/062387 A1 (SMKTHKLINE BEECHAM P.L.C.) 2002.08.15